



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS  
REGISTRATION DIVISION (7505P)

23/JUL/2014

MEMORANDUM: Acute Toxicity Data Evaluation Record (DER) for UPI Glufosinate Technical

Subject:      Name of Pesticide Product:      UPI Glufosinate Technical  
                 EPA File Symbol:                70506-GNT  
                 DP Barcode:                        D421541  
                 Decision No.:                        482599  
                 Action Code:                         R333  
                 PC Codes:                            128850 Glufosinate

From:          Tracy Keigwin, Biologist  
                 Technical Review Branch  
                 Registration Division (7505P)

*Tracy Keigwin*  
*Byron T. Bush*  
*July - 24 - 2014*

To:             Grant Rowland, RM Team 23  
                 Herbicide Branch  
                 Registration Division (7505P)

Applicant:    United Phosphorus, Inc.  
                 630 Freedom Business Center  
                 King of Prussia, PA 19406

FORMULATION FROM LABEL\*:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Glufosinate-ammonium	97.1

<u>Other Ingredient(s):</u>	2.9
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Total:    100.0%

**ACTION REQUESTED:** The Risk Manager requests a review of acute toxicity resubmission in support of EPA File Symbol 70506-GNT, UPI Glufosinate Technical.

**BACKGROUND:** United Phosphorus, Inc. has cited a primary eye irritation study (MRID 00142438) in support of EPA File Symbol 70506-GNT, UPI Glufosinate Technical. The previous eye irritation study was rejected because the treated eyes were rinsed one hour after test substance instillation (Keigwin, 25/JUN/2014). The cited primary eye irritation has been previously reviewed and found acceptable (Saunders Jr., 18/APR/1985).

**COMMENTS AND RECOMMENDATIONS:**

1) The acute toxicity studies submitted and cited by the registrant are acceptable to support the registration of EPA File Symbol 70506-GNT, UPI Glufosinate Technical. The acute toxicity profile for EPA File Symbol 70506-GNT, UPI Glufosinate Technical is as follows:

acute oral toxicity*	III	Supplementary	MRID 49205715
acute dermal toxicity	III	Acceptable	MRID 49205716
acute inhalation toxicity	IV	Acceptable	MRID 49205717
primary eye irritation	III	Cited	MRID 00142438
primary skin irritation	IV	Acceptable	MRID 49205719
dermal sensitization	NO	Acceptable	MRID 49205720

\* The acute oral toxicity study is supplementary, but may be used for regulatory purposes. Please see the 25/JUN/2014 review for complete details.

2) The Basic CSF (dated August 28, 2013) must be approved by the product chemistry team before this action can be finalized.

3) The precautionary and first aid statements for this product are as follows:

**PRODUCT ID #:** 70506-00307

**PRODUCT NAME:** UPI Glufosinate Technical

**PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:** CAUTION

**Hazards to Humans and Domestic Animals:**

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, gloves and protective eyewear (if appropriate). Remove and wash contaminated clothing before reuse.

### **First Aid:**

If on skin:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.